



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

C2-OH
Job Sheet OH197546

Part No: C2-OH

Job Qty: 1 ea

Part Name: C-Series Remote Hook 2,000 lbs Lift Capacity

Part Weight: 0 lbs

Status: New

Job Created: 7/10/19

Job Tracking No:

Priority: Medium

Due Date: 8/30/19

Created By: Jennifer Renwick

Type: Rework - OH

Description: Order 17619 /RA736/ SN
AC10010

Note: DWG C2 Rev. 2 IPP Rev. A 18.04.27 new issue DP Verify DD
Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard Setup Hrs	Run Hrs	Workcenter/Supplier	Sign-off
110	External Load - Issue SN	1 pcs	8/30/19	8/30/19	0.00	0.00	External Load - 1	
							External Load - 2	
							External Load - 3	
115	External Load - 2 - B4B	1 pcs	8/30/19	8/30/19	0.00	1.00	External Load - 1 - B4B	
							External Load - 2 - B4B	
							External Load - 3 - B4B	
120	QC 5	1 pcs	8/30/19	8/30/19	0.00	0.00	QC 5 - 10	
							QC 5 - 12	
							QC 5 - 17	
							QC 5 - 18	
							QC 5 - 19	
							QC 5 - 22	
							QC 5 - 24	
							QC 5 - 3	
							QC 5 - 43	
							QC 5 - 49	
							QC 5 - 51	
							QC 5 - 58	
							QC 5 - 68	
							QC 5 - 9	
							QC 5 - 50	
							QC 5 - 30	
							QC 5 - 40	
							QC 5 - 61	
							QC 5 - 81	
120	Customer Acceptance	1 pcs	8/30/19	8/30/19	0.00	0.00		
140	Outsource - 2 - NDT per QSI038	1 pcs	8/30/19	8/30/19			SKY002-VC	
150	Packaging 2-1 - Receive - B4B	1 pcs	8/30/19	8/30/19	0.00	0.00	Packaging 2 - 1 - B4B	
							Packaging 2 - 2 - B4B	
							Packaging 2 - 3 - B4B	
							Packaging 2 - 5 - B4B	
							Packaging 2 - 4 - B4B	
							Packaging 2 - 6 - B4B	
							Packaging 2 - 7 - B4B	
							Packaging 2 - 8 - B4B	
							Packaging 2 - 9 - B4B	
							Packaging 2 - 10 - B4B	
							Packaging 2 - 11 - B4B	
							Packaging 2 - 12 - B4B	

SCRAP



Container No: S197048

Part: C2
Job No: OH197546
Serial No/Batch: AC10010
Revision: 2
Inspector:
Exp Date:
Instructions:

Date: 07/18/19

JP JUL 19 2019

					Packaging 2 - 13 - B4B	
					Packaging 2 - 14 - B4B	
					Packaging 2 - 15 - B4B	
					Packaging 2 - 16 - B4B	
					Packaging 2 - 17 - B4B	
					Packaging 2 - 18 - B4B	
					Packaging 2 - 19 - B4B	
					Packaging 2 - 20 - B4B	
					Packaging 2 - 21 - B4B	
					Packaging 2 - 22 - B4B	
					Packaging 2 - 23 - B4B	
					Packaging 2 - 24 - B4B	
					Packaging 2 - 25 - B4B	
					Packaging 2 - 26 - B4B	
					Packaging 2 - 27 - B4B	
					Packaging 2 - 28 - B4B	
					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
160 QC 6	1 pcs	8/30/19	0.00 0.00		QC 6 - 9	
					QC 6 - 68	DAS
					QC 6 - 61	61
					QC 6 - 40	9-80
					QC 6 - 81	
165 External Load - 3 - B4B	1 pcs	8/30/19	0.00 0.50		External Load - 1 - B4B	AP 2019/07/22
					External Load - 2 - B4B	
					External Load - 3 - B4B	
170 QC 5	1 pcs	8/30/19	0.00 0.00		QC 5 - 10	
					QC 5 - 12	
					QC 5 - 17	
					QC 5 - 18	
					QC 5 - 19	
					QC 5 - 22	
					QC 5 - 24	
					QC 5 - 3	
					QC 5 - 43	
					QC 5 - 49	
					QC 5 - 51	
					QC 5 - 58	
					QC 5 - 68	
					QC 5 - 9	
					QC 5 - 50	68-6
					QC 5 - 30	06
					QC 5 - 40	SVU
					QC 5 - 61	
					QC 5 - 81	
175 Outsource - 15 - Nickel Plate	1 pcs	8/30/19			GRO002-VC	10
180 Packaging 2-2 - Receive - B4B	1 pcs	8/30/19	0.00 0.00		Packaging 2 - 1 - B4B	JP 2019-07-22
					Packaging 2 - 2 - B4B	
					Packaging 2 - 3 - B4B	
					Packaging 2 - 5 - B4B	
					Packaging 2 - 4 - B4B	
					Packaging 2 - 6 - B4B	
					Packaging 2 - 7 - B4B	
					Packaging 2 - 8 - B4B	
					Packaging 2 - 9 - B4B	
					Packaging 2 - 10 - B4B	
					Packaging 2 - 11 - B4B	
					Packaging 2 - 12 - B4B	
					Packaging 2 - 13 - B4B	
					Packaging 2 - 14 - B4B	
					Packaging 2 - 15 - B4B	
					Packaging 2 - 16 - B4B	
					Packaging 2 - 17 - B4B	

1 Kit = 2 pcs

JP JUL 29 2019

68-6
06
SVU
JUL 22 2019

				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
210 DC - 1 - B4B	1 pcs	8/30/19	0.00 0.00	DC - 1 - B4B	
				DC - 2 - B4B	
220 QC21-FG	1 Ea	8/30/19	0.00 0.00	QC 21 - FG - 21	

Part Op 110 - Issue S/N
Descriptions: 115 - TEST ASSEMBLY. DISASSEMBLE ASSEMBLY. INSPECT DAMAGE PART.
120 - (QC5- Inspect part completeness to step on W/O)
140 - LIQUID PENETRANT INSPECTION AS PER QSI 038
150 - (Receive & Inspect for Damage & Mat'l Certs)
160 - (QC6- All purchased or subcontracted products) 1-Triage parts to be sent out for plating
165 - Prepare for nickel plate
170 - (QC5- Inspect part completeness to step on W/O)
175 - -Issue P/O; _____-Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004- .0006 -Bake after plating -Material type; 4140 -Certificate of Conformity is required
180 - (Receive & Inspect for Damage & Mat'l Certs)
185 - (QC6- All purchased or subcontracted products)
190 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY.
195 - (QC5- Inspect part completeness to step on W/O)
200 - (Identify as per dwg & Stock Location: _____)
210 - Photocopy blue file manual and create labels
220 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
C2-AR	C-Series Remote Hook 2,000 lbs Lift Capacity	1 Ea (1 ea)	110-External Load - Issue SN	5196572
188-FPSS-1032-1/4	Set Screw	2 Ea (2 ea)	190-External Load - 4 - B4B	
600.1310P	Label	1 pcs (1 ea)	190-External Load - 4 - B4B	
600.1314P	C2 Caution Sticker	1 pcs (1 ea)	190-External Load - 4 - B4B	
AN3-14A	Bolt	1 Ea (1 ea)	190-External Load - 4 - B4B	
AN4-16A	Bolt	2 Ea (2 ea)	190-External Load - 4 - B4B	
AN4-17A	Bolt	1 Ea (1 ea)	190-External Load - 4 - B4B	
c2-12-1	Lock Bushing	2 Ea (2 ea)	190-External Load - 4 - B4B	
C2-12-7P	Teflon Spacer Lock	2 pcs (2 ea)	190-External Load - 4 - B4B	
C2-12-8	DUST SHEILD - C2 HOOK	2 pcs (2 ea)	190-External Load - 4 - B4B	
C2-13-5	Keeper Spring	1 Ea (1 ea)	190-External Load - 4 - B4B	
C2-14-2	Label Rivets	2 Ea (2 ea)	190-External Load - 4 - B4B	
C2-3-1	Latch Shaft Du Bearing	2 pcs (2 ea)	190-External Load - 4 - B4B	
C2-3-2-1	Roller Pin Retaining Ring	2 Ea (2 ea)	190-External Load - 4 - B4B	
C2-3-3-1	Latch Roller DU Bearing	1 pcs (1 ea)	190-External Load - 4 - B4B	
C2-3-5	Spacer, Teflon	2 Ea (2 ea)	190-External Load - 4 - B4B	
C2-3-8	Actuator Shaft Bushing	2 pcs (2 ea)	190-External Load - 4 - B4B	
C2-4-1	Trunnion Bushing	2 Ea (2 ea)	190-External Load - 4 - B4B	
C2-7-1P	Load Beam Bumper	1 pcs (1 ea)	190-External Load - 4 - B4B	
C2-7-2	Lock Bumper	2 pcs (2 ea)	190-External Load - 4 - B4B	
C2-9-3	Clock Spring Cover Screw	4 Ea (4 ea)	190-External Load - 4 - B4B	
C3-10-2	Lock Spring	1 pcs (1 ea)	190-External Load - 4 - B4B	
C3-3-4-1	Ring, Retaining	4 pcs (4 ea)	190-External Load - 4 - B4B	
C3-3-9	Actuator Spring	1 pcs (1 ea)	190-External Load - 4 - B4B	
C3-8-4	Solenoid Cover Gasket	1 pcs (1 ea)	190-External Load - 4 - B4B	
MS21044N4	Nut, Self-Locking	3 Ea (3 ea)	190-External Load - 4 - B4B	
MS21083N3	Nut	3 Ea (3 ea)	190-External Load - 4 - B4B	
MS35266-63	Solenoid Cover Screw	1 Ea (1 ea)	190-External Load - 4 - B4B	
MS35338-137	Washer	4 Ea (4 ea)	190-External Load - 4 - B4B	
NAS1149F0332P	Washer (AN960-10L)	4 Ea (4 ea)	190-External Load - 4 - B4B	
NAS1149F0363P	Washer (AN960-10)	1 Ea (1 ea)	190-External Load - 4 - B4B	
NAS1149F0463P	Washer (AN960-416)	6 Ea (6 ea)	190-External Load - 4 - B4B	

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
110-External Load - Issue SN	C2	1	0	0
	188-FPSS-1032-1/4	2	123	0
190-External Load - 4 - B4B	600.1310P	1	0	0
	600.1314P	1	0	0
	AN3-14A	1	222	0
	AN4-16A	2	1,148	0
	AN4-17A	1	390	0
	c2-12-1	2	15	0
	C2-12-7P	2	203	0
	C2-12-8	2	26	0
	C2-13-5	1	43	0
	C2-14-2	2	120	0
	C2-3-1	2	78	0
	C2-3-2-1	2	44	0
	C2-3-3-1	1	33	0
	C2-3-5	2	25	0
	C2-3-8	2	60	0
	C2-4-1	2	84	0
	C2-7-1P	1	108	0
	C2-7-2	2	7	0
	C2-9-3	4	235	0
	C3-10-2	1	3	0
	C3-3-4-1	4	43	0
	C3-3-6	1	38	0
	C3-8-4	1	29	0
	MS21044N4	3	57	0
	MS21083N3	3	89	0
	MS35266-63	1	29	0
	MS35338-137	4	430	0
	NAS1149F0332P	4	2,667	0
	NAS1149F0363P	1	373	0
	NAS1149F0463P	6	147	0
Part Specifications				
Specifications could not be found.				

Plex 7/10/19 11:02 AM Dart.Renwick.Jennifer

Inspection Sheet Complete
RA736

Part Number	Original Batch / Serial # / Ctrl #	Original Revision #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Original Container #	New (Receiving) Serial #	New Job #	Work order instructions
C2	AC10010		1	☒ Yes	☐ Yes	☒ Yes	☒ Yes	CUSTOMER SUPPLIED		S196572	OH193546	Overhaul
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					

DART Order #: 0

QC Approval: 0

Date: 0-Jan-00

Special Return/Rework Instructions:



NDT Inspection Form

C2

Work Order OH 197546Customer RA736 / OR: 17619Serial Number AC10010Date 2019/07/16

ORDER 17619

MAGNAFLUX

Part Number	Description	Quantity	
C2-4-4A	Load Beam	1	
C3-3-7	Link	1	
C3-3-4	Link Pins	2	
C2-3-6	Latch	1	
C2-3-3	Latch Roller	1	
C2-3-2	Latch Roller Pin	1	
C2-3-10	Latch Shaft	1	
C2-3-11	Actuator	1	
C2-12-3	Lock	1	

ZYGLO

Part Number	Description	Quantity	Pass/Fail
C2-2-1	Side Plate	1	
C2-11-1	Side Plate Solenoid	1	

Test Conducted By:

Signature: _____



Remote Cargo Hook Test Form

C2

****MAKE SURE YOU ARE USING THE CORRECT TEST FORM FOR THE CORRECT SOLENOID!****

OLD SOLENOID (H2817-024)

Work Order 197546

Customer RA 736

Serial Number AC 10010

Date 2019-7-12

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	5,000	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	1,000	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	2,000	Electircal, 22 volts	Current shall not exceed 5.4A	Amp.	Pass
2	1,500	Electircal, 22 volts	Current shall not exceed 5.4A	Amp.	Pass
2	1,000	Electircal, 22 volts	Current shall not exceed 5.4A	Amp.	Pass
2	500	Electircal, 22 volts	Current shall not exceed 5.4A	Amp.	Pass
2	100	Electircal, 22 volts	Current shall not exceed 5.4A	Amp.	Pass
1	2,000	Electircal, 20 volts	Current shall not exceed 5.4A	Amp.	Pass
1	2,000	Electircal, 28 volts	Current shall not exceed 5.4A	Amp.	Pass
1	2,000	Manual		N/A	Pass
1	2,000	Impact Test	Impact shackle 10 times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 4.9-5.4 Ohms	5.7 Ohms	Fail
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By: Michel Delande

Signature _____

QC 5 Small FAB / QA



Overhaul Incoming Inspection
Cargo Hook

Customer OH197546 / RA 736

Date 2019/07/15

Part Number C2

Serial Number AC10010

ORDER : 17619

RA736

Additional Recommended Replacement Parts

Part Number to Replace

	Part Number	Total
① X	C3-8-2 SELENOID	

Total

Customer Approval ☐

Inspected By ALAN PATRY
Technician

Submit

Save Form



NDT Inspection Form

C2

Work Order OH197546Customer RA736 / OR 17619Serial Number AC10010Date 2019/07/16

MAGNAFLUX

Part Number	Description	Quantity	
C2-4-4A	Load Beam	1	
C3-3-7	Link	1	
C3-3-4	Link Pins	2	
C2-3-6	Latch	1	
C2-3-3	Latch Roller	1	
C2-3-2	Latch Roller Pin	1	
C2-3-10	Latch Shaft	1	
C2-3-11	Actuator	1	
C2-12-3	Lock	1	

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61
9-89

ZYGLO

Part Number	Description	Quantity	Pass/Fail
C2-2-1	Side Plate	1	
C2-11-1	Side Plate Solenoid	1	

Test Conducted By:

Signature: _____



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER POHB044027



Supplier: SKY002-VC
Skyservice
6120 Midfield Road
Mississauga
ON
L5P 1B1 Canada
Phone: 905-678-5636
Fax: 905-678-5841

Attention: Jenne, Heather

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044027
PO Date: 7/17/19
Due Date: 7/23/19

Purchase Order
Revision:
Revision Date:
Ship-To Contact: Phone:

Via: Ground
Pymt Terms: Net 30

Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	OH196924	SWA25A-3-OH	Electric Swivel 25,000 lb Safe Work Load (11,340 Kg) LIQUID PENETRANT INSPECTION AS PER QSI 038 1 kit = 1 pcs	Firmed -		7/23/19	1 pcs	0 pcs	1 pcs	\$111.25/pcs	\$111.25
							JUL 19 2019				
							5193595				
	OH196926	SWA35A-3-OH	Electric Swivel 35,000 lb Safe Work Load (15,875 Kg) LIQUID PENETRANT INSPECTION AS PER QSI 038 1 kit = 2 pcs	Firmed -		7/23/19	1 pcs	0 pcs	1 pcs	\$111.25/pcs	\$111.25
							JUL 19 2019				
							5193595				
Sub Total:									2	0	\$222.50
2	OH197175	SWA3-3-OH	Electric Swivel 3,000 lb Safe Work Load (1,360 kg) LIQUID PENETRANT INSPECTION AS PER QSI 038 1 kit = 2 pcs	Firmed -		7/23/19	1 pcs	0 pcs	1 pcs	\$111.25/pcs	\$111.25
							JUL 19 2019				
							5195136				
3	OH197546	C2-OH	C-Series Remote Hook 2,000 lbs Lift Capacity LIQUID PENETRANT INSPECTION AS PER QSI 038 1 kit = 12 pcs	Firmed -		7/23/19	1 pcs	0 pcs	1 pcs	\$111.25/pcs	\$111.25
							JUL 19 2019				
							5197048				
Grand Total:											\$445.00

 DART AEROSPACE	Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada Tel (613) 632-5200	PURCHASE ORDER POHB044027 
Order Notes		
Procurement Quality Clauses A005 right of entry A012 chemical and physical test report A016 personnel qualification A017 raw material identification (as applicable) A022 Apical Processing A024 process certifications A026 certification of material conformance A041 quality management system A042 dart notification by supplier A043 retention of quality documents A048 counterfeit parts avoidance, detection, mitigation and disposition program A049 supplier awareness Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.		

Plex 7/18/19 9:19 AM Dart.Guerin.Kimberley

**skyservice****Work Order Traveler**

Sky Service F.B.O. Inc.

10105 Ryan Avenue, Dorval, Quebec, H9P 1A2

TCCA AMO 53-89 / EASA 145.7142 / BDA AMO 385

WO #: MWO41106	Customer: Dart Aerospace Ltd.	Dept: NDT YUL	Reference: POHB044027
Descr:	PN:	S/N:	Qty: 1
Make:	Model:	Reg:	A/C S/N:
TSN:	CSN:	TSO:	
Task: UNSCHEDULED			Sequence: 1

Work Required:**CARRY OUT ON:**

1 ELECTRIC SWIVEL (1), P/N: SWA25A-3-OH, J/S: OH196924

1 ELECTRIC SWIVEL (2), P/N: SWA25A-3-OH, J/S: OH196926

1 ELECTRIC SWIVEL (2), P/N: SWA3-3-OH, J/S: OH197175

1 C-SERIES REMOTE HOOK (12), P/N: C2-OH, J/S: OH197546

RECEIVED

JUL 19 2019

DART AEROSPACE LTD.

DAS
61
9-89

Action Taken:	Date:	Initial/Stamp:
LPI & MPI CARRIED OUT IAW ASTM E-1417M-16 AND ASTM E-1444M-16		
NO CRACK FOUND		
PEN , ZL-37 MPO#: 23206 CLEANER SKC-S MPO15030, EMU.(ZR-10B, MPO23451), DEV. MPO15030, UV LIGHT M-20142		
MAGBENCH S/N 208123 CAL DUE: 25-SEP-2019		
POWDER 14A BATCH# MPO13600		
CARRIER II BATCH# MPO22794		
BLACK LIGHT-M20186		

JUL 18 2019

DOT-APP
310
53-89

312

Description	Location	P/N	Qty	Batch	S/N Off	S/N On

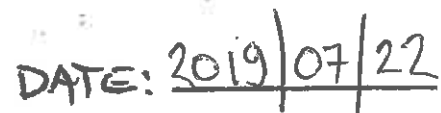
I certified that the maintenance described above has been performed in accordance with the applicable standard of airworthiness.

Signature:	ACA/SCA Stamp DOT-APP 310 53-89	Date: JUL 18 2019
Name: RICARDO VARGAS		



MODEL: C2
S/N : AC10010
JOB : 0H197546
ORDER : 17619

[illegible]



NICKEL PLATING

MODEL: C2

S/N : AC10010

Job : OH 197546

ORDER : 17619

[illegible]



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER
POHB044065



Supplier: GRO002-VC Group Altech 2455 Halpern St Laurent QC H4S 1N9 Canada Phone: 514-335-3666 Fax: 514-335-3868	PO No: POHB044065 PO Date: 7/22/19 Due Date: 7/29/19 Purchase Order Revision: Revision Date: Ship-To Contact: Guerin, Kimberley Phone: 613-632-5200 Ext: 298 kguerin@dartaero.com
Attention: Grenon, Sylvie	Via: Ground Pynt Terms: Net 60 Freight Terms: Special Comments:
Ship To: 1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	

Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	OH197546	C2-OH	C-Series Remote Hook 2,000 lbs Lift Capacity -Issue P/O; Nickel plate, QQ-N-290, Class 2, Grade E or F - Nickel Plate .0004-.0006 -Bake after plating -Material type; 4140 - Certificate of Conformity is required	Firmed	-	7/29/19	1 pcs	0 pcs	1 pcs	\$360.00/pcs	\$360.00
1 kit = 2 pcs. ✓ 1 kit JUL 29 2019 = 2 pcs Grand Total: \$360.00											



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER
POHB044065



Order Notes

Procurement Quality Clauses

- A005 right of entry
- A012 chemical and physical test report
- A016 personnel qualification
- A017 raw material identification (as applicable)

- A022 Apical Processing
- A024 process certifications
- A026 certification of material conformance

- A041 quality management system
- A042 dart notification by supplier
- A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an Integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 7/29/19 3:00 PM Dart.Guerin.Kimberley



Certificat de Conformité / Certificate of Compliance
(020969-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
Tel: 514-335-3666 Fax: 514-335-3868
www.groupaltech.com

Bon de Livraison / Packing Slip

020969 - 1

Livré à / Ship to
DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON, K6A1K7
CANADA
Tel.: 613-632-5200 Fax.:

Client / Customer:
DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON, K6A1K7
CANADA
BUYER:

Date expédition Ship date		Créé Par Generated By		Transport / No de Compte Courier / Acc. No		Bon de commande Client Customer Purchase Order No.			
25-Jul-2019		Jigar Patel				POHB044065 ✓			
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Quantités / Quantities		À venir / Back Order	
	Job # / Ref #					Qté NC/ NC Qty	Qté Scrap/		
1	C2-OH Rev. ✓	C2-OH NICKEL PLATE PER QQ-N-290 CLASS 2 GRADE E OR F 0.0004-0.0006 THICK AND BAKE	E-NICKEL STEEL	2	2	✓ 0	0	0	
2	STRIP CHARGE Rev.	STRIP CHARGE 01 -STRIP [STRIP]	MIN-CHG STRIP	2	2	0	0	0	
3	BAKE Rev.	BAKE 01 -BAKING, HYDROGEN EMBRITTLEMENT RELIEF	MIN-CHG BAKE	2	2	0	0	0	

RECEIVED
JUL 29 2019
DART AEROSPACE LTD.

RECEIVED
JUL 25 2019
DART AEROSPACE LTD.

bot pricing
Rec'd.

RECEIVED

JUL 2 9 2019

DART AEROSPACE LTD.

RECEIVED

JUL 2 5 2019

DART AEROSPACE LTD.

DAS
81
9-88

bot pricing

Rec'd.

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
Our financial and legal responsibility will not be higher than the amount of invoice.

RETURN AUTHORIZATION



RA #: RA736
Date: July 2,2019
Attention: Christopher Cohrs
E-mail: christopher.cohrs@papillon.com
From: Jennifer Renwick

RETURN ADDRESS

☒ Hawkesbury Dart Aerospact Ltd 1270 Aberdeen Street Hawkesbury, ON K6A 1K7, CA 1-613-632-3336	☐ Vista Dart Aerospace Ltd. 3030 Enterprise Court, Suite A Vista, CA 92081-8347, US 1-760-724-5300	☐ Broussard Dart Aerospace Ltd. 105 Dairy Lane Broussard, LA 70518, US 1-337-839-0500
--	---	--

SHIPPING

Courier: Customers Choice
Account #: Customers Account

COMMERCIAL INVOICE INFORMATION

Item #1		Item #2	
P/N:	C2	P/N:	0
Description:	Hook -Overhaul	Description:	0
Qty:	1	Qty:	0
Flown:	Yes	Flown:	0
Return to Customer:	Yes	Return to Customer:	0
Customs Value USD:	\$500	Customs Value USD:	\$0
Batch / Serial #	AC10010	Batch / Serial #	0
Item #3		Item #4	
P/N:	0	P/N:	0
Description:	0	Description:	0
Qty:	0	Qty:	0
Flown:	0	Flown:	0
Return to Customer:	0	Return to Customer:	0
Customs Value USD:	\$0	Customs Value USD:	\$0
Batch / Serial #	0	Batch / Serial #	0
Item #5		Item #6	
P/N:	0	P/N:	0
Description:	0	Description:	0
Qty:	0	Qty:	0
Flown:	0	Flown:	0
Return to Customer:	0	Return to Customer:	0
Customs Value USD:	\$0	Customs Value USD:	\$0
Batch / Serial #	0	Batch / Serial #	0

ADDITIONAL RETURN AUTHORIZATION INFORMATION

- Print RA form, complete Part Disposition section and include a copy with the shipment.
- Ensure the RA number is referenced on all documents. Failure to do so may result in delivery refusal.
- Ensure the shipment is directed to the correct facility referenced above. Failure to do so will result in delays and additional shipping costs.
- Commercial invoice must include the following statement: "Parts are aircraft parts being returned to the manufacturer."
- International shipments require commercial invoice attached to the outside of the box.
- Where applicable, the original Release Certificate, STC's, Installation Instructions, Maintenance Manual Supplement, Flight Manual Supplement, packing slips and removable tag must accompany the shipment.
- Return authorization expires in 30 days. If no charge products were supplied, these will be invoiced upon expiration of the RA.
- Returned items will be fully inspected by Quality Control and credit will be issued for items deemed to be new, un-flown, traceable and to the current revision.
- A 15% minimum restocking fee applies, additional fees may apply upon receipt and inspection if items require rework or cannot be returned to stock
- Items should be adequately packaged to prevent shipping damage.
- For complete terms & conditions, visit www.dartaerospace.com

PART DISPOSITION (To be completed and returned by customer)

Reason for return:
Due overhaul



Purchase Order

Papillon Airways, Inc
PO Box 455
3565 Hummingbird Drive
Grand Canyon, AZ 86023
USA
928 638-9440 Fax: 928 638-2277

Order #

117040

Date 07/02/2019

To: DART Aerospace Ltd
1270 Aberdeen Street
Hawkesbury, Ontario K6A 1K7
Canada

Ship To: Papillon - Grand Canyon Helicopters
Maintenance Department
3565 Hummingbird Drive
Grand Canyon, AZ 86023
USA

Contact:
Telephone: 800 556-4166

Acct No: CPAPI01
Fax: 613 632-4443

Attn: spares@papillon.com
Telephone: 928 638-9440 Fax: 928 638-2277

Date Required 08/07/2019 Priority: ASAP Terms: Net 30 Ship Via FedEx Economy

Products or Services Ordered

Item	Qty	U/M	Part Number	Description	W.O. No.	Net	Total
1	1 Ea	C2	6260-815	Remote hook s/n AC10010		955.00	955.00

Comments:

re: Quote # 17619.

FedEx acct # 1629 3798 7

Tax 0.00
Shipping 0.00
Total 955.00

Purchasing Agent Cohrs, Christopher

Date: 07/02/2019

Approved By:

Date:

Received By:

Date:

☐ Verified quantity received agrees with packing slip

6/28/2019

ORDER ACKNOWLEDGEMENT



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada
Tel (613) 632-5200
Fax 613 632-5246

QUOTE ACKNOWLEDGEMENT

CUSTOMER

Customer Code: CPAP101
Sold To: Papillon Airways
1205 Airport Road, Helicopter Maintenance Dept.
Boulder City, NV 89005
~~USA~~
Phone: (928) 638-9440
Ship To: Papillon Airways
1065 Airport Road, Helicopter Maintenance Dept.
Boulder City, NV 89005
~~USA~~
Phone: (702) 638-3307

QUOTE

Quote No : 17619
Date: 6/28/19
Ship-To Contact: Christopher Cohrs
Email: christopher.cohrs@papillon.com
Cust PO No:
FOB: Shipping Point
Ship Via:
Freight Terms: PrePaid
Terms: Net 30
INCO Terms: Ex Works
Order Taker: Lacey Cantlin
Order Taker Phone:
Order Taker Email: lcantlin@dartaero.com

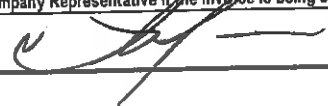
Line No	Due Date	Ship Date	Part	Description/Note	Quantity	Unit	Price	Unit	Extended Price
1			C2	C-Series Remote Hook 2,000 lbs Lift Capacity	1	pcs	\$955.00USD	pcs	\$955.00 USD
									Sub Total \$955.00 USD
									Grand Total \$955.00 USD

ORDER NOTES

QUOTE FOR OVERHAUL, SERIAL NUMBER AC10010 C2 HOOK
All Prices Quoted In USD & Valid For 30 Days. All Parts Subject To Prior Sale & Are Ex-Works Manufacturing Facility In Hawkesbury, ON, Canada
Duties And Taxes Not Included In Quote
Each component is subject to a \$250 minimum inspection fee
Freight Not Included In This Quote
Pricing may be revised upon receipt and inspection of unit. Revised quote will be sent to also include extra parts/time needed to perform repairs other than regular overhaul

This invoice must be completed in English

COMMERCIAL INVOICE

EXPORTER : Tax ID# : Contact Name : Spares Department Telephone No. : 9286389440 E-Mail : spares@papillon.com Company Name/Address : PAPILLON GRAND CANYON HELICOPT Papillon - Grand Canyon Helicopters 3565 Hummingbird Drive GRAND CANYON AZ 86023 Country : United States Parties to Transaction: ☐ Related ☐ Non-Related Payment Terms : Purpose of Shipment : Return and Repair			Ship Date : 03 Jul, 2019 Air Waybill No. / Tracking No. / Bill of Lading : 775625525255 Invoice No. : Purchase Order No. :				
CONSIGNEE : Tax ID# : Contact Name : RA# RA736 Telephone No. : 8005564166 E-Mail : Company Name/Address : DART Aerospace 1270 Aberdeen Street Hawkesbury ON K6A1K7 Country : Canada			SOLD TO (If different from Consignee) : ☒ Same as CONSIGNEE : Tax ID# : Company Name/Address : Country :				
If there is a designated broker for this shipment, please provide contact information Name of Broker Tel No. Contact Name							
Duties and Taxes Payable by ☒ Exporter ☐ Consignee ☐ Other If Other, please specify							
No. of Packages	No. of Units	Unit of Measure	Description of Goods	Harmonized Tariff Number	Country of Origin	Unit Value	Total Value
	1.00	PCS	Return and Repair - Remote cargo hook	880330	CA	500.000000	500.00
Total No. of Packages : 1 Total Weight (Indicate LBS or KGS) : 8.00 lbs						Terms of Sale :	FCA
Special Instructions :						Subtotal :	500.00
						Insurance :	0.00
						Freight :	0.00
						Packing :	0.00
						Handling :	0.00
Declaration Statement(s) : These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.						Other :	0.00
I declare that all the information contained in this invoice to be true and correct						Invoice Total :	500.00
Originator or Name of Company Representative if the invoice is being completed on behalf of a company or individual :						Currency Code :	USD
Signature / Title / Date 						03 Jul, 2019	

Jennifer Renwick

From: Lacey Cantin
Sent: Wednesday, August 07, 2019 11:39 AM
To: Jennifer Renwick
Subject: RE: C2 remote hook - DART Quote 17619
Attachments: Re: FW: C2 remote hook - DART Quote 17619 RA 736

RA 736
Order 17619
Job 04197546
SN AC10010

Hi Jen,

Customer wants us to scrap as per attached. I am trying to see if they would be willing to purchase a new unit to forego the fee.

Thanks,
Lacey

From: Jennifer Renwick
Sent: August 7, 2019 8:02 AM
To: Lacey Cantin <lcantin@dartaero.com>
Subject: RE: C2 remote hook - DART Quote 17619

Hi Lacey,

Just following up on this one. Have we heard anything?

Thank you,
Jen

From: Lacey Cantin <lcantin@dartaero.com>
Sent: Monday, July 15, 2019 4:55 PM
To: Jennifer Renwick <jrenwick@dartaero.com>
Cc: Linda Lacelle <llacelle@dartaero.com>
Subject: RE: C2 remote hook - DART Quote 17619

Thanks Jen! Just sent the info to the customer, but the new price of his O/H would be over \$2200 and the price of a new hook is \$1975 so I have the feeling he might not approve... will let you know either way!

Lacey

From: Jennifer Renwick
Sent: July 15, 2019 4:28 PM
To: Lacey Cantin <lcantin@dartaero.com>
Cc: Linda Lacelle <llacelle@dartaero.com>
Subject: RE: C2 remote hook - DART Quote 17619

Hi Lacey,

Please see attached list of extra parts needed for:

Papillon - Grand Canyon Helicopters

Scrap (OR)
Overhaul?
~~Get~~ Lacey w/
Advise.

Please see attached PO. PLease note the sold to and ship to addresses on you quote are incorrect. We are in AZ, not NV.

We will get this shipped up to you shortly. Will we need your EIN or a harmonized code for this item?

Christopher Cohrs
Spares Manager
Papillon - Grand Canyon Helicopters
928 638-9440 x7261
928 638-2277 fax

On Fri, Jun 28, 2019 at 11:15 AM Lacey Cantin <lcantin@dartaero.com> wrote:

Hi Christopher,

Kindly see attached for your quote. Should you wish to proceed, please send me a repair order and I will forward you RA instructions for return. Current lead time on the hook overhaul is 8 weeks.

Please don't hesitate to let me know if I can be of further assistance.

Kindest Regards,

LACEY CANTIN

Inside Sales Representative

DART AEROSPACE

T 1 514 907-5959 > 247

1 800 556- 4166 – SALES

1 844 840-3610 – REPAIR & OVERHAUL

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From: Christopher Cohrs [mailto:christopher.cohrs@papillon.com]

Sent: June 28, 2019 1:45 PM

To: Dart Sales <sales@dartaero.com>

Subject: C2 remote hook

Good afternoon,

We have a C2 remote hook (s/n AC10010) that we'd like to send in for overhaul.

Are we able to send this to own of your facilities in the states?

Christopher Cohrs
Spares Manager
Papillon - Grand Canyon Helicopters
928 638-9440 x7261
928 638-2277 fax

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Jennifer Renwick

From: Christopher Cohrs <christopher.cohrs@papillon.com>
Sent: Wednesday, August 07, 2019 11:31 AM
To: Lacey Cantin
Cc: Caitlin Crooks
Subject: Re: FW: C2 remote hook - DART Quote 17619 RA 736

Good morning,
Please scrap onsite.

Christopher Cohrs
Spares Manager
Papillon - Grand Canyon Helicopters
928 638-9440 x7261
928 638-2277 fax

On Wed, Aug 7, 2019 at 5:06 AM Lacey Cantin <lcantin@dartaero.com> wrote:

Good morning Christopher,

I just wanted to follow up on this with you as I have not yet heard back. Would you be able to provide me with an update as to how you would like to proceed with the overhaul?

Kindest Regards,

LACEY CANTIN

Inside Sales Representative

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1 800 556- 4166

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From: Lacey Cantin
Sent: July 2, 2019 4:01 PM
To: Christopher Cohrs <christopher.cohrs@papillon.com>
Subject: RE: C2 remote hook - DART Quote 17619 RA 736

Christopher,

Just to avoid any issues, 8803.30 or ECCN 9A991.D are the EIN references for the hook.

Please don't hesitate to let me know if I can be of further assistance.

Kindest Regards,

LACEY CANTIN

DART AEROSPACE

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From: Christopher Cohrs [<mailto:christopher.cohrs@papillon.com>]
Sent: July 2, 2019 2:23 PM
To: Lacey Cantin <lcantin@dartaero.com>
Subject: Re: C2 remote hook - DART Quote 17619

Hello Lacey,

Please see attached PO. PLease note the sold to and ship to addresses on you quote are incorrect. We are in AZ, not NV.

We will get this shipped up to you shortly. Will we need your EIN or a harmonized code for this item?

Christopher Cohrs
Spares Manager

From: Christopher Cohrs [mailto:christopher.cohrs@papillon.com]
Sent: June 28, 2019 2:10 PM
To: Lacey Cantin <lcantin@dartaero.com>
Subject: Re: C2 remote hook

Yes please, we'd like to proceed.

Christopher Cohrs
Spares Manager
Papillon - Grand Canyon Helicopters
928 638-9440 x7261
928 638-2277 fax

On Fri, Jun 28, 2019 at 11:09 AM Lacey Cantin <lcantin@dartaero.com> wrote:

Good afternoon Christopher,

Thank you for your email. At this time, we only have our facility in Ontario, Canada that has the capabilities to perform the overhaul on the remote cargo hooks. The facility in Louisiana is strictly for R&O on floatation systems. Do you still wish to proceed with an RMA?

Please don't hesitate to let me know if I can be of further assistance.

Kindest Regards,

LACEY CANTIN

Inside Sales Representative

DART AEROSPACE

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1 800 556- 4166 – SALES

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Jennifer Renwick

From: Jennifer Renwick
Sent: Friday, August 23, 2019 3:04 PM
To: Lacey Cantin; John Chuprun
Cc: Ross Black; Chantal Chartrand
Subject: RE: C2 remote hook - DART Quote 17619

Ok, noted. John, I will bring you the parts to scrap on Monday.

From: Lacey Cantin <lcantin@dartaero.com>
Sent: Friday, August 23, 2019 2:24 PM
To: Jennifer Renwick <jrenwick@dartaero.com>; John Chuprun <jchuprun@dartaero.com>
Cc: Ross Black <rblack@dartaero.com>; Chantal Chartrand <cchartrand@dartaero.com>
Subject: RE: C2 remote hook - DART Quote 17619

Hi Jen,

Customer still wants to scrap for \$250.

— manual Invoice #
MH0000111

Thanks,
Lacey

From: Jennifer Renwick
Sent: August 20, 2019 3:36 PM
To: Lacey Cantin <lcantin@dartaero.com>; John Chuprun <jchuprun@dartaero.com>
Cc: Ross Black <rblack@dartaero.com>; Chantal Chartrand <cchartrand@dartaero.com>
Subject: RE: C2 remote hook - DART Quote 17619

It's not too late..

John, please hold off on the e-mail I previously sent you. Attached for reference.

From: Lacey Cantin <lcantin@dartaero.com>
Sent: Tuesday, August 20, 2019 3:34 PM
To: Jennifer Renwick <jrenwick@dartaero.com>; Chantal Chartrand <cchartrand@dartaero.com>
Cc: Ross Black <rblack@dartaero.com>
Subject: RE: C2 remote hook - DART Quote 17619

That means his total OH would be something along the lines of 1300 instead of the 2200 we quoted.. and new is around 1900. Is it too late for me to reach back out to him and let him know that we can still repair???

From: Jennifer Renwick
Sent: August 20, 2019 3:32 PM
To: Lacey Cantin <lcantin@dartaero.com>; Chantal Chartrand <cchartrand@dartaero.com>
Cc: Ross Black <rblack@dartaero.com>
Subject: RE: C2 remote hook - DART Quote 17619

Ok then this changes everything with scrapping this unit.....

To: Lacey Cantin <lcantin@dartaero.com>
Subject: RE: C2 remote hook - DART Quote 17619

Hi Lacey,

Please see attached ☺

Thank you,
Jen

From: Lacey Cantin <lcantin@dartaero.com>
Sent: Tuesday, July 02, 2019 2:34 PM
To: Jennifer Renwick <jrenwick@dartaero.com>
Subject: FW: C2 remote hook - DART Quote 17619

Hi Jen!

Can I please get an RA for OH for a C2 hook, quote 17619? ☺

Thanks!
Lacey

From: Christopher Cohrs [<mailto:christopher.cohrs@papillon.com>]
Sent: July 2, 2019 2:23 PM
To: Lacey Cantin <lcantin@dartaero.com>
Subject: Re: C2 remote hook - DART Quote 17619

Hello Lacey,

Please see attached PO. PLease note the sold to and ship to addresses on you quote are incorrect. We are in AZ, not NV.

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Spares Manager
Papillon - Grand Canyon Helicopters
928 638-9440 x7261
928 638-2277 fax

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928 638-2277 fax

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Kindest Regards,

LACEY CANTIN

Inside Sales Representative

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